

November 17, 2017



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 20408
(FIRST REVISION)

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the offering for transportation and transportation in commerce of Pilot Rest Modules (PRMs) containing certain hazardous materials required on aircraft under applicable airworthiness regulations for the safety of crewmembers. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.302(f)(3), (4), and (5) in that the oxygen cylinders must meet the required testing for transportation aboard aircraft, 173.302a in that the cylinders must meet the filling requirements, 173.168(d) in that the chemical oxygen generators must be placed in a rigid outer packaging meeting certain performance, flame penetration and thermal resistance standards, Part 172 Subpart D and E, in that marking and labeling is not required, and Part 172 Subpart C Shipping papers in that shipping papers are required for hazardous materials offered in to transportation, 175.33 in

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that a copy of the shipper paper must be carried aboard the aircraft and certain information regarding the hazardous materials carried must be provided in the notification to the pilot in command, except as specified herein.

5. BASIS: This special permit is based on the application of United Parcel Service Co. dated January 25, 2017 submitted in accordance with § 107.105, the public proceeding thereon, and additional information submitted October 24, 2017.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Fire extinguishers	2.2	UN1044	N/A
Oxygen	2.2	UN1072	N/A
Oxygen generator, chemical	5.1	UN3356	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are DOT specification cylinders and rigid outer packagings containing oxygen generators mounted within a Pilot Rest Module (PRM). The PRM must meet the requirements for a Class 1 Rest Facility as prescribed in Federal Aviation Administration Advisory Circular 117-1. In addition, the PRM must meet the fire resistance requirements for aircraft compartments occupied by passengers or crew, as prescribed in 14 CFR 25.853(a)(c) and Appendix F to Part 25, Part I(a)(1) and Part II. Hazardous material in the PRM must meet the following:

(1) Not more than one (1), 2.5 pound portable fire extinguisher containing a fire suppressant classed as Division 2.2 (halon) and is in accordance with § 173.309(a).

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(2) Not more than four (4) portable oxygen cylinders with mask, each with a water capacity of not more than 1.6 kg (3.5 pounds) containing not more than 130 liters (4.5 cubic feet) of oxygen at standard conditions and

meeting all applicable requirements of §§ 173.301, 173.301a, 173.302 (except paragraphs (f)(3) through (f)(5), and 173.302a.

(3) Not more than two (2) protective breathing equipment (PBE) with installed chemical oxygen generator. The PBEs must be provided with two independent means to prevent inadvertent initiation by packing in a pouch and with a pin to prevent the actuator from striking the primer, as described in § 173.168(c)(2). Each PBE, in its protective pouch, must be placed separately within rigid plastic outer packaging.

(4) Each of the hazardous materials as described above would be required to be securely attached to a bulkhead of the PRM in the same manner as such safety items are required to be mounted in an aircraft cabin and so as to remain securely affixed under shocks and vibrations normally incident to transportation by aircraft and motor vehicle. The two packagings containing PBEs must be separated by a distance sufficient to prevent propagation of initiation should the chemical oxygen generator in one device inadvertently activate. Oxygen cylinders must be separated from one another by mounting one at the head of each bunk, with the remaining two on separate bulkheads.

(5) DOT specification cylinders would be required to be periodically requalified and maintained as provided for in 49 CFR Part 180.

b. OPERATIONAL CONTROLS -

(1) For transportation by motor vehicle, the PRM must be secured to or within the motor vehicle in such a manner as to prevent shifting or damage.

(2) For transportation by cargo-only aircraft, the PRM must be loaded on the main deck but need not be in a position accessible to the crew in flight.

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(3) The operator of any motor vehicle and the pilot-in-command of any cargo-only aircraft transporting a PRM under the terms of this special permit, must be informed of the presence of the hazardous materials in the PRM and of the applicable requirements of this special permit.

(4) Electrical power sources must not be connected to the PRM during transportation.

c. MARKING -

(1) DOT specification cylinders must be marked as required.

(2) The special permit number must only be marked on the exterior of the PRM in accordance with § 172.301(c).

(3) The exterior of the PRM must contain the cargo aircraft only label as described in § 172.448.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo-only aircraft.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo-only aircraft, or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) – "The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous

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materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: TG